

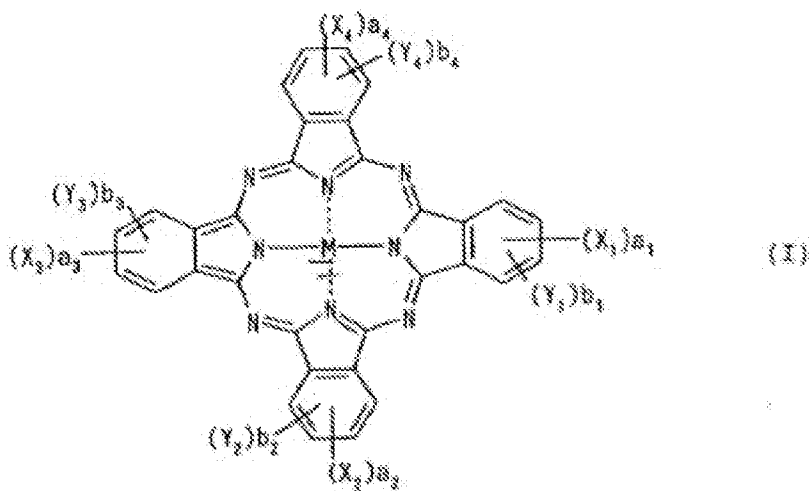
## AMENDMENTS TO THE CLAIMS

**This listing of claims will replace all prior versions and listings of claims in the application:**

### **LISTING OF CLAIMS:**

1.(currently amended) An ink for ink jet recording, comprising ~~a~~an aqueous medium and a phthalocyanine dye represented by the following formula (I) dissolved or dispersed in the aqueous medium,

wherein the phthalocyanine dye has an oxidation potential of more positive than 1.0 V and the ink has a conductivity of 0.01 S/m to 10 S/m;



wherein  $X_1$ ,  $X_2$ ,  $X_3$  and  $X_4$  each independently represent  $-\text{SO}-Z$ ,  $-\text{SO}_2-Z$ ,  $-\text{SO}_2\text{NR}_1\text{R}_2$ , a sulfo group,  $-\text{CONR}_1\text{R}_2$  or  $-\text{CO}_2\text{R}_1$ ; Z represents a substituted or unsubstituted alkyl group, a substituted or unsubstituted cycloalkyl group, a substituted or unsubstituted alkenyl group, a substituted or unsubstituted aralkyl group, a substituted or unsubstituted aryl group or a substituted or unsubstituted heterocyclic group;  $R_1$  and  $R_2$  each independently represent a

hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted cycloalkyl group, a substituted or unsubstituted alkenyl group, a substituted or unsubstituted aralkyl group, a substituted or unsubstituted aryl group or a substituted or unsubstituted heterocyclic group; and when there are a plurality of Z's, they may be the same or different;

Y<sub>1</sub>, Y<sub>2</sub>, Y<sub>3</sub> and Y<sub>4</sub> each independently represent a monovalent substituent; and when there are a plurality of any of X<sub>1</sub> to X<sub>4</sub> and Y<sub>1</sub> to Y<sub>4</sub>, they may be the same or different;

a<sub>1</sub> to a<sub>4</sub> and b<sub>1</sub> to b<sub>4</sub> represent the number of substituents X<sub>1</sub> to X<sub>4</sub> and Y<sub>1</sub> to Y<sub>4</sub>, respectively; a<sub>1</sub> to a<sub>4</sub> each independently represent an integer of from 0 to 4 and are not 0 at the same time; and b<sub>1</sub> to b<sub>4</sub> each independently represent an integer of 0 to 4;

M represents a hydrogen atom, metal atom or oxide, hydroxide or halide thereof; and the phthalocyanine structure has at least one of -SO<sub>2</sub>-Z and -SO<sub>2</sub>NR<sub>1</sub>R<sub>2</sub> at a beta-position thereof.

2.(original) The ink for ink jet recording according to Claim 1, which has a viscosity of 1 to 20 mPa·sec at 25°C.

3.(previously presented) The ink for ink jet recording according to Claim 1 , which has a static surface tension of 25 to 50 mN/m at 25°C.

4.( previously presented) The ink for ink jet recording according to Claim 2 ,

wherein a viscosity of the ink has a viscosity ratio of not greater than 250% from at 25°C to at 10°C, and a static surface tension has a static surface tension ratio of not greater than 130% from at 25°C to at 10°C.

5.( previously presented) The ink for ink jet recording according to claim 1, which has a pH value of 4 to 12 at 25°C.

6.(previously presented) The ink for ink jet recording according to claim 1, which has a dye remaining ratio of not smaller than 60% after 24 hours of storage in an atmosphere of 5 ppm ozone in a monochromatic area that is obtained by printing with a monochromatic ink in such a manner a cyan reflection density through a status A filter is from 0.9 to 1.1.

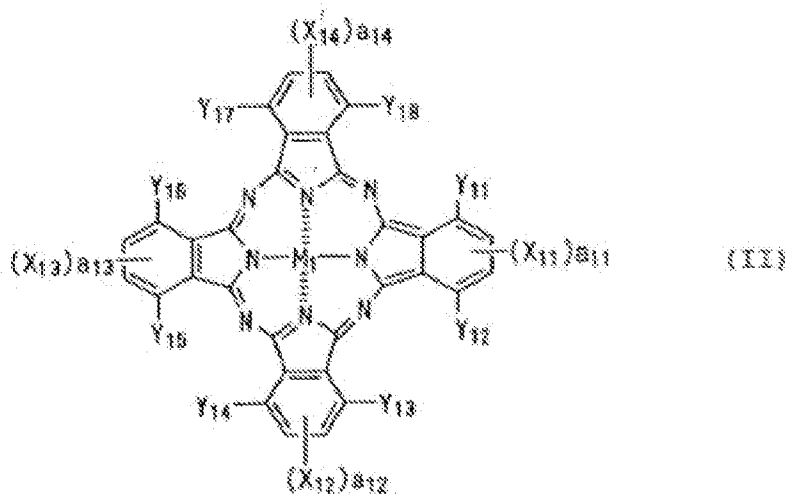
7.(previously presented) The ink for ink jet recording according to claim 1, wherein the ink has Cu ions that are eluted with water in an amount of not greater than 20% of a total amount of the dye after 24 hours of storage in an atmosphere of 5 ppm ozone in a monochromatic area that is obtained by printing with a monochromatic ink in such a manner a cyan reflection density through a status A filter is from 0.9 to 1.1.

8.( previously presented) The ink for ink jet recording according to claim 1, wherein the phthalocyanine dye is a water-soluble dye having an electron-withdrawing group at  $\beta$ -position of a benzene ring in the phthalocyanine.

9.( previously presented) The ink for ink jet recording according to claim 1,  
 wherein the phthalocyanine dye is a water-soluble dye that is produced by a process  
 which doesn't pass through a sulfonation of an unsubstituted phthalocyanine.

10.( canceled).

11.(currently amended) The ink for ink jet recording according to Claim ~~40~~1, wherein  
 the dye represented by the formula (I) is a dye represented by the following formula (II):



wherein  $X_{11}$  to  $X_{14}$  and M have the same meaning as  $X_1$  to  $X_4$  and M in formula (I),  
 respectively, provided that at least one of  $X_{11}$  to  $X_{14}$  represents  $-SO_2-Z$  or  $-SO_2NR_1R_2$ ;  $Y_{11}$  to  $Y_{18}$   
 each independently represents a hydrogen atom, a halogen atom, an alkyl group, an aryl group, a  
 cyano group, an alkoxy group, an amide group, a ureido group, a sulfonamide group, a  
 carbamoyl group, a sulfamoyl group, an alkoxycarbonyl group, a carboxyl group or a sulfo

group; when there are a plurality of  $X_{11}$  to  $X_{14}$ , they may be the same or different;  $a_{11}$  to  $a_{14}$  represent the number of substituents  $X_{11}$  to  $X_{14}$ , respectively, and each independently represents an integer of 1 or 2.

12.( previously presented) A method for ink jet recording, comprising using the ink for ink jet recording according to claim 1.

13.( previously presented) A method for recording an image on an image-receiving material, comprising ejecting an ink droplet onto the image-receiving material including an image-receiving layer containing an inorganic white particulate pigment on a support according to a record signal,

wherein the ink droplet comprises the ink for ink jet recording according to claim 1.

14.( previously presented) A method for producing the ink for ink jet recording according to claim 1, which comprises at least applying an ultrasonic vibration.

15.( previously presented) A method for producing the ink for ink jet recording according to claim 1,

wherein the ink for ink jet recording prepared is filtered through a filter having pores of an effective diameter of not greater than 1  $\mu\text{m}$  and defoamed before use.

16. (previously presented): The ink for ink jet recording according to claim 1, wherein the ink contains the phthalocyanine dye in an amount of 0.2 to 20% by weight.

17. (canceled).

18. (previously presented): The ink for ink jet recording according to claim 11, wherein  
Y<sub>11</sub> to Y<sub>18</sub> each represents a hydrogen atom.